

**DART**

DESIGN <i>[Signature]</i>	DRAWN BY <i>[Signature]</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. DSI 9219	REV. A SHEET 1 OF 1
DATE 01.10.09		TITLE COMPOSITE REPAIR	SCALE NTS
A	01.10.09	NEW ISSUE	

## **DART SERVICE INSTRUCTION**

TO AMEND INSTALLATION INSTRUCTIONS D350-588 REV. C  
AND MAINTENANCE MANUAL SUPPLEMENT MMS-D350-588 REV. D  
(REF. CANADIAN STC: SH92-41, FAA STC: SH1012NE)

"POLYESTER RESIN" MAY BE REPLACED BY ANY OF THE LAMINATING RESINS CALLED UP IN SECTION 7.2 OF QSI 037.

"5 MINUTE EPOXY" MAY BE REPLACED BY ANY OF THE POTTING RESINS CALLED UP IN SECTION 7.2 OF QSI 037.

MECHANICAL DAMAGE (CRACKS, HOLES, DENTS, DELAMINATION) MAY BE REPAVED IN ACCORDANCE WITH TABLE 1 BELOW AND DART COMPOSITE REPAIR MANUAL QSI 037. PARTS DAMAGED BEYOND LIMITS MUST BE REPLACED IN ACCORDANCE WITH MMS-D350-588.

**TABLE 1. – COMPOSITE DAMAGE LIMITS**

Damage	Limit	Repair Scheme
Holes in Composite Skin	4" x 4" area	QSI 037 Section 9.1
Holes in Foam Core	2" x 2" area	QSI 037 Section 9.2
Dents in Foam Core	2" x 2" area	QSI 037 Section 9.3
Edge Damage	2" x 2" area	QSI 037 Section 9.4
Delamination	2" x 2" area	QSI 037 Section 9.5
Edge Crack	1" long crack	QSI 037 Section 9.6
Skin Crack	2" long crack	QSI 037 Section 9.7
Void	2" x 2" area	QSI 037 Section 9.8

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01	
APPROVED BY: <i>[Signature]</i> D. SHEPHERD (DE # 02)	
DATE:	OCT 09 2001
CERT. NO.:	SH92-41
ISSUE NO.:	5

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